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Diag. Cht. No. 1251-1 0 1252-1
Form 504
U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT
- Wedenschie
Type of Survey Sydrographic
Field No. Office No. 268-3
2684
LOCALITY
State Florida
On - l
General locality
Locality W Tley Nest
194
CHIEF OF PARTY
LIBRARY & ARCHIVES
DATE

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Creasury Dep	artment.

U. S. COAST AND GEODETIC SURVEY.

D. J. Tellmann,

Superintendent.

State: Florida.

DESCRIPTIVE REPORT.

Hyd C Sheet No. 268

LOCALITY:

1904

CHIEF OF PARTY

W. & Parker acch

U. S. C. & G. SURVEY.

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Diag. Cht. No. 1251-1 & 1252-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY
ON Just mann Superintendent.
State: The
DESCRIPTIVE REPORT.
Hyde Sheet No 2683
LOCALITY:
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1904
CHIEF OF PARTY:
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2684 IRRARY AND ARCHIVES



Diagrant. No. 1252-100 A.

Department of Commerce and Cabor COAST AND GEODETIC SURVEY
OHTINAMENN Superintendent.
State: Fla
DESCRIPTIVE REPORT.
Hyde Sheet No2684
LOCALITY:
Lee also
2682
190 4
CHIEF OF PARTY:
WE Parker

ings agree well with the depths given on chart No. 469 and fail To indicate any such sheats as had been upated. The chart however was found to be in ever on the eastern side of the channel south of the Sist four. Here the latter has appaintly bein seemed leaving much Twee the de the shown by the last survey. There is a good uncherage Hunger verrels & of less than ten feet chaft. Lines of semidences about 100 miters apart without the drag, were um from apposite Hut Taylor to a point about officete Beaun No. 3 along the course laid down on the chart for intering they that by the West Chambel. The object of this work was to deter mine the limits of the area and at what delith the drag could be set when sweeping out this part of the channel. het No. 2683 eytend Sum langstucke 61° 53 to a first a little west of langitudi 81° 56 and Sum a little south of latitude 24° 29' to Satitude 24° 30', and lay-morthy in the West Channel. The lines were under at niturals of about 40 meters in a east

and west duction and crossed at right anglo. by lines at the same interval. Thirteen of the east and west lines had burning the season before. The northern half of this area is free from rocks and sheals and has a unifolm shift of from six to seven fatherns. The bottom If the most part is hard but in places-It is seft and sticky. along the lower half of the area the latter is rocky and very under The southern side of the Sheet und at Passenage Sheal and Ithe Middle Ground; but there are minusensisolated coral heads prajecting up through the dup water north of there should. Between the shouls there is a defith of six Sathens and through this cut the Youthwest Channel passes. The whole senther furtion of the area covered by this sheet is fant. The least difth found on any of the isolated with is 47 feet on a book in the South-west Channel. Sweal webs-at defithe of 19 fut or more were found much of Paisonage Shoul while the chart shows six fatheris. These works - are all of earal

formation, not over fifty feet in chamiter, and and in absorptly from the lattern, June are not ten feet acress at the top. Sheet Nov. 2684 eytends from langitude 81° 53' nearly to long tude 82° 00' and from a little south of latitude 24° 27 to latitude 24°30; but the work on this sheet does - met duplicate the work on shut 2683 weefit for a name strip along the forth-west Channel and there the semidings are un m a different duction from the lines in that sheet. There are two indipendent surveys on this sheet. One is a usurvey of the South-west Channel to dwelope From closely the works located the reason befor and to discour it pessible any who missed in that show. The other fact of the work consists of an examination of the area west of this channel and the Survey of a channel across-this area. Like of sundings, with the drag set at 30 fut, where um at intervals of 30 huters parallel to the sailing course of the fortheunt Channel over an auch about love quarter of a mile wide extending from the Middle

Sund to Jatan Shoul. at red liney 80. 4 the higher paying was extended to the eastward to mobile the Isheal marked by this busy. all this work was - crossed when her it was possible by lines of the same interval. Thereworth depths were known to be leso than 3 offet the drag was set at the least proved depth and careful developments were made, Only two with of the of 28 and 29 feet were found; but on smal by the prouve weeks-defiths were found less-Than had been noted in the purious survey, I he whole area west of this channel was -U seconded over in order to show if possible a deeper and rafer channel than the one new in use The lines were um parallel to the forth went Channel at intervals of about 100 meters, and no pains were taken to get semiding more account than to the manest fest or two. after Living the limits of the best channel Shins of solundings, with chang set at 31 feet, were lun at intervals of 36 meters parallel to the aus of the channel. The sweep bar stuck frequently but rachy with sufficient force to betach the bar.

In most cases the drag lifted a feat and passed our the obstruction or class one guy line buck letting the upright swing back and Thus, allowing the last to pass our. Munor the lar stuck the work was consid with the bar set at 29 feet; and in every case the bar cleaved the rock. A canful divilopement without the drag was made of the reefoon both sides of the sea entrance of the chalmed. The least about found in the Ochannel was - 29 feet on alrocky patch in mid channel near the sea entrance. This patch was carefully dwelfied with and without the may but me less-defith could be found. The spet can be worded easily of properly marked with a burn. marked with a lucy. at the sea intranser there is a weeky shoul of 21 feet depth on the east side and another If 25 feet difth on the west side after Massing there shouls the channel willens and dufund to a least dift of six fathours about on wile from there should there are sweat webs-of lytimely small area using aboutty, from a clifth of six a swenfathoms They all lay west of the channel centre

and have a least depth of over 29 feet on them. On the east side of the channel 34 of a mile west of black buy No. 3 there is a fatch of Soul ground that should be avoided. Dehtho of 26 feet have been found have man the delay of the channel with lessdepths faither Ceast. The duction of this channel is N. by 6/26. (two) and the cutter line projected northery Salls-about 120 meters to the westward Vof the mid-channel buy in the West. Channel. all the channels- to My West are used to a quater or less-extent, and are all well bruged; but the North-west and Man Ship Channels- are by Las the most unpertant. The North-west Channel is used only by ships of light chaft, but it is welllhadged and lighted the depth over the land only about deven fut. The March Ship Channel is used almost exclusively by deep draft vessels. There are numberalis on each side of this channel; but they are well marked by brown

and a beacon, and a set of range lights and day marks - fix the centre chuse. The Southwest Channel is not sufe for vesils diawing our 18 feet and it is doubt-Sul if this doubt can be carried with entire safett. The brows must be fellowed with quat can at all times. The bailing course is marked at night by the senthend edge of the ud sector of flag West Light; but the line of demandation between red and white light at the outer danger hint / nine while from My Mist) to not sharp mange to make a versel keeping clear of this danger. The thest Channel should be used only during day light.

It lood and elle tide curents set gunully across-all the southern channels with a Suce of about half a print; but the shutin I of the curents vary in different harts of The channels - and are influenced to a U considerable intent by the contiguous-shouls: Neither the duction on the strongth of there curents can be allowed for with lany reasonable certainty. I be Key West Balon

the ebb curent uns-at times with a velocity of two prots. Both curents set along the Have of the whaves -The usual anchorage for deep draft vessels-is south of Hot Varyler on the west side of the Channel in 28 feet of water. The holding ground have is good but there is some clange of loosing the anchor by feeling in the weby lotter. I he smaller derdunent vessels- we the glavy monmas in Man of War Harbor to some utent. Varils-anchoring of the Lazautte should pup well south of bury 10, 15, as - the Tampa bouts remard sharply on either side of this lowery. Versils- Ander 10 feet dust will sind a good ancherage close in to the Hazautto on the east side of the channel. Vessels-lying here will Iswing to the westward with the Turn of both tides unless- prevented by strong Swestily unds. The Timsular and Occidental Steamship fine operates sunal boats a week between they West and Jumpa, Manne, and Havana Cuba. The Mallong

Time beat between New York and Jalvesten stops weekly here. a large fleet of small schooners trade between this part and the Rahama slands- and the other pays of the Herida grown. The primapal industries of they West me eigen making, spenge fishing and muching The Wavy Department has two coaling plants with midern appliances for handling coal rapidely, an waprating and distiling plant with costerns for fresh water, a machine shep and Gelinday. The aring has broden guns mounter on old Hort Vaylor and in new latteries on the) sland, and is constructing new batteries I werd companies of coast artilling are statured on the Island with banks on the north side of the Island. The O dest Office and Custom House, Weather Ruedle, and Maine Hospital buildings are all on the west side of the City overleaking the harbor. The Light House Establishment has a what and busy shed near the Navy

plant, and offices in the Och Office My Mist is connected by cable with the strain land and with Cuba. Chronanting can be compared way mon, at the telegraph affice, with Washington Time. WThe Navy has wireless telegraph stations here and at Dry Vatugus. Mails are received and delivered from the north and from Cuba six times a week. Stern signals are displayed from the top of the Weather Station. a branch Weather Observating at Sand May 12connected with the Station at My West by cable, and the armal of vesselsis whated here from I and they. There are several filet beats, all small sailing crafts, stationed here; and a bilot can be called by signalling to I and Meny, Strangers are advised but to attempt tolerter without taking a fulet. Quarantim regulations are strictly infaced. Justs from foruge puts must be bounded by a Maine Hospital Official before they can pass-the

Lazaretto. Thurs one tow beat her belonging to a private ceneur; no fixed rates for toling. The harber regulations appear to be very lay. In overment vessels-are funished with coal and Sushwater by requisition on the Commandant of the Waral tation. a small supply of ceal and Such water is available ser muchantships-lut the frier of both is musually high. The Curdy ans own two main wit ways - and have facilities for handing ent and repairing small bussels: " hay also operate an beer plant and um as general store when they carry a fair line of ship chandless Istons land supplies Downa the wentermenths strong northery and north easterly winds fullwail over this sections; the words are generally local. after the first of april the winds are light and barrable. Humanes may be expected after the first of august, Hog is musulal at any time delining the your.

and southbeast sides of this whole chain of keys, and although well highted they Tare danguous to mavigation Whichs - I frequently own along there rules.

Respectfully Parker asker

Report
On
Hydrographic She-t
No. 2682.
Key West Harbor.
and Suthwest Approaches.
Fla.
A1d Parker.
1904.

The work on this sheet seems to be all right and when taken in connection with Sheet Ho. 8671 the ground, for the single system of lines seems to be sufficiently covered.

P.C.Donn. (Signed).

U.S. Coastand Geodetic Survey.
Hydrographic
MAR 31 1905
Section.
INSPECTOR OF CHARIS.

Report on Hydrographic Sheet

No. 2683.

Approaches to Key West,
West Channel,
Fla.
Assistant Parker,
1904.

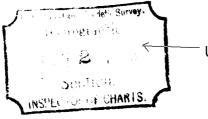
The ground seems to be well covered. The drag was used 32 days out of a total of 41 days. There is one sounding of 36 at the West end of work that was not developed and one sounding of 34-1/2 at near the upper edge of the sheet about midway between east and west limits that is doubtful transferred from sheet 2648.

F. C. Donn. (Signed).

REPORT.
on
Hydrographic Sheet
No. 2684.
Approaches to Key West,
Southwest and New Channels,
Florida.
Aid Parker,
1904.

The ground seems to be well covered and dragged. All indicated shoals will be found on the Sheets 2643 and 2649, 1-5,000. The curves on this sheet were combined with the curves on Sheets 2643 and 2649 without any especial difficulty. The different depthsof drag setting are indicated by a dash underlining the position number. The 17 ft. spot lat. 24°29'30", long. 81°54' (approx) was doubtful at first and is made more doubtful by this sheet 2684 and Sheet 2683. To keep the sounding clear the curves inside of the 36 ft. were, as a rule, not drawn on this sheet, but will be found on Sheets 2643 and 2649.

F. C. Donn. (Signed).



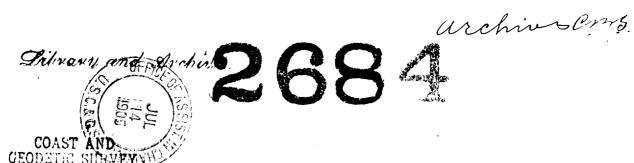
U.S. Coast and Geodetic Survey
Hydrographic

MAY 2 1905

Section

INSPECTOR OF CHARTS

ON ORIGINAL DOCUMENT



COAST AND GEODETIC SURVEYED

JUL 14 1 42 Pm 1905

U. S. C. L. G. SURVEY. LIBEARY AND ARCHIVES,

JUL 15 1905

Acc. No.

FillE:	Creasury Department,
REFERR	F.D. s. coast and geodetic survey.
الألم المديد	O II Military
	O. H. Tittmann
	Superintendent.
	State: Florida
	DESCRIPTIVE REPORT.
]	Hydrographic Sheet No. 2684 tio."
	LOCALITY:
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	to
	Key West Harbor
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	CHIEF OF PARTY:
:	P.A. Welker, Ass't, C.& G.S.
11:	

POST-OFFICE ADDRESS: General Delivery, P. O., Baltimore, Md.

TELEGRAPH ADDRESS: Foot of Chesapeake Street.

EXPRESS OFFICE:

Bepartment of Commerce and Labor

COAST AND GEODETIC SURVEY Str. "Bache",

Baltimore, Maryland,

July 11th, 1905.

Mr. O. H. Tittmann,

Superintendent, Coast and Geodetic Survey,

YOKNOWLEDGED

C. & G. SURVEY ARCHIVES

Washington, D. C.

Sir:-

In obedience to Instructions and Memoranda for Descriptive Reports, 1887, I have the honor to submit the following report on Hydrographic Sheet No. 2684 & ...

- 2. The work consists of an extension to a depth of 10 fathoms of the surveys at the mouth of the new channel, between Satan and Vestal Shoals, as developed by Assistant Parker in 1904.
- 3. The drag set to a depth of 5 fathoms was used for this work.
- 4. As the work is supplemental to the work of 1904, which has already been reported upon, no further descriptive report is considered necessary.

Very respectfully,

P. a. Welker.

Assistant, C. & G. Survey,

Commanding.